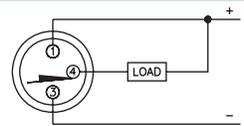
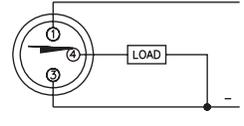
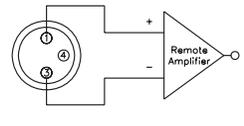


Inductive Sensors



| Housing Style | Part Number | ID Number | Features | Sensing Range (mm) | Output |
|---|-------------------------------|-----------|------------------|--------------------|-----------------|
| 4 mm - Embeddable, Miniature Smooth, picofast® Quick Disconnect | Bi 1-EH04-AN6X-V1331 | S4608540 | | 1 | 3-Wire DC NPN |
| | Bi 1-EH04-AP6X-V1331 | S4608440 | | 1 | 3-Wire DC PNP |
| | Bi 1-EH04-Y1-V1330 | S1003044 | | 1 | 2-Wire DC NAMUR |
| 5 mm - Embeddable, Miniature Threaded, picofast Quick Disconnect | Bi 1-EG05-AN6X-V1331 | S4608740 | | 1 | 3-Wire DC NPN |
| | Bi 1-EG05-AP6X-V1331 | S4608640 | | 1 | 3-Wire DC PNP |
| | Bi 1-EG05-Y1-V1331 | S1003241 | | 1 | 2-Wire DC NAMUR |
| 6.5 mm - Embeddable, Miniature Smooth, picofast Quick Disconnect | Bi 1.5-EH6.5K-AN6X-V1131 | S4610840 | Short Barrel | 1.5 | 3-Wire DC NPN |
| | Bi 2-EH6.5K-AN6X-V1131 | S4610120 | Short Barrel | 2 | |
| | Bi 1.5-EH6.5K-AP6X-V1131 | S4610740 | Short Barrel | 1.5 | 3-Wire DC PNP |
| | Bi 1.5-EH6.5K-AP6X-V1131/S100 | S4612003 | High Temp. 100°C | 1.5 | |
| | Bi 2-EH6.5K-AP6X-V1131 | S4610020 | Short Barrel | 2 | |
| 6.5 mm - Embeddable, Miniature Smooth, picofast Quick Disconnect | Bi 1.5-EH6.5-AN6X-V1131 | S4612120 | | 1.5 | 3-Wire DC NPN |
| | Bi 1.5U-EH6.5-AN6X-V1131 | S4600687 | Uprox | 1.5 | |
| | Bi 2-EH6.5-AN6X-V1131 | S4612320 | | 2 | |
| | Bi 2U-EH6.5-AN6X-V1131 | S4281180 | Uprox | 2 | |
| | Bi 1.5-EH6.5-AP6X-V1131 | S4612020 | | 1.5 | 3-Wire DC PNP |
| | Bi 2-EH6.5-AP6X-V1131 | S4612220 | | 2 | |
| | Bi 2U-EH6.5-AP6X-V1131 | S4281160 | Uprox | 2 | |
| | Bi 1.5-EH6.5-AP6X-V1131/S100 | S4612002 | High Temp. 100°C | 1.5 | |
| | Bi 1.5-EH6.5-Y1-V1130 | S1004621 | | 1.5 | 2-Wire DC NAMUR |

| Voltage | Switching Freq. (Hz) | Operating Current (mA) | Operating Temp. (°C) | Protection | Housing | Face | Power LED | Output LED | Mating Cordset | Wiring Diagram # | Wiring Diagrams |
|-----------|----------------------|------------------------|----------------------|------------|---------|-------|-----------|------------|----------------|------------------|---|
| 10-30 VDC | 3000 | ≤100 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 1 | <div style="border: 1px solid black; padding: 5px;"> <p>Diagram 1</p>  </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Diagram 2</p>  </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Diagram 3</p>  </div> |
| 10-30 VDC | 3000 | ≤100 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 2 | |
| 5-30 VDC | 5000 | Remote | -25 to +70 | IP 67 | SS | PA 12 | N/A | N/A | PKG 3Z-* | 3 | |
| 10-30 VDC | 3000 | ≤100 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 1 | |
| 10-30 VDC | 3000 | ≤100 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 2 | |
| 5-30 VDC | 5000 | Remote | -25 to +70 | IP 67 | SS | PA 12 | N/A | N/A | PKG 3Z-* | 3 | |
| 10-30 VDC | 3000 | ≤150 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 1 | |
| | 3000 | ≤150 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 1 | |
| 10-30 VDC | 3000 | ≤150 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 2 | |
| | 3000 | ≤150 | -25 to +100 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 2 | |
| | 3000 | ≤150 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 2 | |
| 10-30 VDC | 3000 | ≤150 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 1 | |
| | 2000 | ≤150 | -30 to +85 | IP 68 | SS | PA 12 | N/A | YE | PKG 3Z-* | 1 | |
| | 3000 | ≤150 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 1 | |
| | 2000 | ≤150 | -30 to +85 | IP 68 | SS | PA 12 | N/A | YE | PKG 3Z-* | 1 | |
| 10-30 VDC | 3000 | ≤150 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 2 | |
| | 3000 | ≤150 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | PKG 3Z-* | 2 | |
| | 2000 | ≤150 | -30 to +85 | IP 68 | SS | PA 12 | N/A | YE | PKG 3Z-* | 2 | |
| | 3000 | ≤150 | -25 to +100 | IP 67 | SS | EPTR | N/A | YE | PKG 3Z-* | 2 | |
| 5-30 VDC | 5000 | Remote | -25 to +70 | IP 67 | SS | PA 12 | N/A | N/A | PKG 3Z-* | 3 | |

* Length in meters.

3-Wire DC

| | |
|---|---|
| Ripple. | ≤10% |
| Differential Travel (Hysteresis). | 3-15% (5% typical) |
| Voltage Drop Across Conducting Sensor. | ≤1.8 V |
| | - Si...K08/K10(AP71, AN7) . ≤0.7 V |
| | - Bi/Ni../S34 ≤1.8 V |
| | - Bi 2-Q8SE-AP/AN.. . . . ≤2.5 V |
| Trigger Current for Overload Protection | ≥220 mA on 200 mA Load Current |
| | ≥170 mA on 150 mA Load Current |
| | ≥120 mA on 100 mA Load Current |
| Off-State (Leakage) Current | <100 µA |
| No-Load Current | <10 mA (Uprox ≤15 mA) |
| Time Delay Before Availability | ≤8 ms |
| Power-On Effect | Per IEC 947-5-2 |
| Reverse Polarity Protection | Incorporated |
| Wire-Break Protection | Incorporated |
| Transient Protection. | Per EN 60947-5-2 |
| Shock | 30 g, 11 ms |
| Vibration | 55 Hz, 1 mm Amplitude in all 3 Planes |
| Repeatability | ≤2% of Rated Operating Distance |
| | Bi 2-Q8SE-AP/AN.. ≤5% of Rated Operating Distance |

4-Wire DC

| | |
|---|---------------------------------------|
| Ripple. | ≤10% |
| Differential Travel (Hysteresis). | 3-15% (5% typical) |
| Voltage Drop Across Conducting Sensor. | ≤1.8 V at 200 mA |
| Trigger Current for Overload Protection | ≥220 mA on 200 mA Load Current |
| | ≥170 mA on 150 mA Load Current |
| | ≥120 mA on 100 mA Load Current |
| Off-State (Leakage) Current | <100 µA |
| No-Load Current | <10 mA (Uprox ≤15 mA) |
| Power-On Effect | Per IEC 947-5-2 |
| Reverse Polarity Protection | Incorporated |
| Wire-Break Protection | Incorporated |
| Transient Protection. | Per EN 60947-5-2 |
| Shock | 30 g, 11 ms |
| Vibration | 55 Hz, 1 mm Amplitude in all 3 Planes |
| Repeatability | ≤2% of Rated Operating Distance |